

TOTTERMidi

the right thing for every accordion





TOTTER MIDI

What is TOTTER MIDI interface

TOTTER MIDI system is a small, but very efficient specialised computer built in your accordion. Special sensors within the computer extract all the required information and send them on accordingly processed.

The interface enables the connection of the instrument (accordion) with all other devices able to read MIDI standard, being practically all modules, keyboards, sequencers, arrangers, synthesizers, ..., and indirectly even with computers.

And that is the essence of it all, giving really numerous new possibilities to the player of accordion with TOTTER MIDI interface at all kinds of music (entertaining music, Alpine music, classical music, jazz, pop...).

At live performance the accordion player can conjure up music of the whole group of musicians without previously prepared imitations (diskette, play-back). Of course TOTTER MIDI interface comes very handy at bigger musical casts, such as duo, trio, quartet, quintet, ..., in accordion band, ..., computer composing, ...

TOTTER MIDI is the only unique MIDI system, which is adapted and perfected for live playing.

Possibilities are endless- take advantage of them!

Suitable for everyone

TOTTER MIDI system is suitable for everyone, professional and hobby players as well, playing on any type of accordion: diatonic button accordion, piano accordion or chromatic button accordion. TOTTER MIDI interface covers a broad circle of users, from the youngest and up to the mature accordionists, who still play the accordion with all enthusiasm.

Practical and simple to use

TOTTER MIDI system can be used immediately. All settings can be adapted to your own wishes. Logical key arrangement and position of the customs menus on the control panel make a simple and fast usage during playing. Simple conceived direction is supported with evident user manual and professional schooling at buying.

Different ways of application

- For live playing.
- At live playing you sound like a group of musicians.
- Incredible imitation of an Alpine quintet.
- Using sounds of all instruments.
- Playing with automatic accompaniment.
- Playing practical in silence- with headphones.
- Composing your own music with computer help (PC or MAC).

Unique and patented

Be the solo Alpine quintet! The simplest way is with the TOTTER MIDI QUINTET® function. You do not need to be an expert for your music to sound completely professional. The idea is simple and completely original. Apart from the played chord on the accordion, the MIDI system plays one tone trumpet and one tone clarinet. That is the most important thing which makes you being heard as the Alpine quintet.

Guitar plays special role in rhythmic part, especially at Alpine music. With exclusive and patented function TOTTER MIDI GUITARIST® your music will be in rhythmic order settled and correct in tones. Possibilities of use are unlimited. It is suitable for all kinds of music.

Make an unforgettable music in full group: accordion, guitar, bass, clarinet, trumpet, tuba (bariton) and drums. With the unique and patented TOTTER MIDI QUINTET® and TOTTER MIDI GUITARIST® functions that is very easy .

It is pleasure, when everything is heard, as you wish!

Innovative dynamic

All models of the TOTTER MIDI interfaces are dynamic. That means that the volume of electronic instruments reacts on intensity of playing at acoustic accordion. Sensitivity and type of the dynamics can be selected for each track (instrument) separately.

Shedding of dynamics is indispensable for efficiently live playing. With unique function DYNAMIC OVERPLAY® of instruments you can precisely imitate larger musical occupations with soloist (Alpine quintet, sinfonics orchestra with soloists, big band, brass band, ...).

Presence of individual instruments is managed with intensity and manner of playing. At the same time you can set, to individual or to more instruments, graded toggling or federal shedding.

Fast, simple and effective!

Awards

TOTTER MIDI is achievement of years of common and systematic work from topmost accordion players to electronic engineers. High-quality draft is the result of several years researches of family tradition in building accordions since 1928!

Ordered cooperation of business partners all over the world guarantee for quality service and good stability of company.

We are presenting our knowledge and our products in Slovenia and all over the world. We have received a lot of awards for quality and innovation.



Service and advices

- Building and service in Slovenia and all over the world.
- TOTTER MIDI systems corresponds to valid EU guidelines **CE**
- For all our products and their components we assure you 2-years guarantee, advice and reliable service.
- Good technical advice is always welcome and at TOTTER MIDI you will certainly find it.
- You can test all our products live by yourself and you can persuade about their quality and practicability.



Totter midi d.o.o.

Muljava 6

SI-1234 Mengeš

Slovenija

T 01 729 13 50

F 01 729 13 51

info@totter-midi.si

www.totter-midi.si

TOTTERMIDI

Schweiz

M.E.D. GmbH

Rossweid 8

CH-5619 Büttikon/AG

Tel. 0041 (0)56 622 93 23

info@totter-midi.ch

www.totter-midi.ch

Neu

contact@m-e-d.swiss

www.m-e-d.swiss

Series TM-4

MIDI system for accordion

TM-4-LUX, TM-4-S, TM-4-N, TM-4-BK, TM-4-B

Characteristics

- The unique system with patented function TOTTER MIDI QUINTET[®]
- The unique system with patented function TOTTER MIDI GUITARIST[®] **NEW!**
- Top dynamics adjustable for every track separately
- Unique function DYNAMIC OVERPLAY[®] of instrument
- Large choice of different adjustable dynamics
- Exceptional responsiveness of system
- Full control of all parameters from accordion
- You can change parameters during playing
- You do not need programmer or PC for changing settings
- No maintenance necessary

TOTTER MIDI GUITARIST[®] enables you that is always played the correct chord with bass. It sounds like original guitar also with playing bass figure. You can use any sound module, with or without chord samples.

Installation

- All TOTTER MIDI interfaces can be built into each accordion, apart from kind, type and age of them.
- Installation time after previous agreement can last only 2 to 3 days.
- Acoustics remains unchanged.
- Outside appearance of accordion at models without display remains unchanged.
- Hardness and flexibility of keys remain unchanged.
- TOTTER MIDI systems give you the possibility of later improvements and upgrades.
- Possibility of later installation of microphone system and wireless system.
- You can choose between different colours of display.
- Small dimension of electronic parts in SMD technology increase flexibility of installation.
- When you know, to whom you entrust your accordion!

Use

Controlling with a LED managing display is simple, fast and always by hand. Display and control lights are good seen also in darkness as at daylight. A pleasant design and well considered plan of keys are there with a reason. With LED managing display you can change and save any adjustment you want in inner memory. For this work you do not need a personal computer or some special programmer.

It is efficient, quickest and economical solution, which is used best in practice. You can change and select between advanced saved programmes during playing.

Making

- Topmost electronic components assure reliable and fast working in all circumstances.
- Economical and miniature circuits assure low electricity usage.
- Protective foil is protecting inner of display from moisture and other dirt.
- Electronic sensors, which are temperature compensated, assure stably activity and precise perception of condition of keys and bellows. Electronic sensors are working contactless (on distance).
- There is no friction and mechanical wear out parts, which assures long lifetime of system.

Production

We are building modern, fast and economical components in all our products. We are having control over all component parts in our own topmost equipped production line. Smallest electronic components are just 0,3 x 0,6 mm in size. Robotized production line assures highly and stable quality of products, for which warrant TOTTER MIDI d.o.o.

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Muljava 6

SI-1234 Mengeš

Slovenia

T +386 1 729 1350

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TM-4-LUX

TM-4-LUX is one of the most recommending model, because it is one of our top models. It is the only MIDI system with exclusive and patented function TOTTER MIDI QUINTET[®]. With this function you can very simply imitate the sound of the Alpine quintet.

When you are standing on stage you can select prepared settings from the accordion memory, prepared in advance. The operation with display is fast, simple and always handy, in dark or in daylight as well. You can adjust and save your own settings. You do not need programmer or PC for changing settings. It is suitable for everyone who likes to enjoy in music. With TM-4-LUX you can play all kinds of music (entertaining or Alpine music, classical music, jazz, rock...), because you have all functions (TOTTER MIDI QUINTET[®], TOTTER MIDI GUITARIST[®], DYNAMIC OVERPLAY[®] of instruments). The greatest satisfaction is when everything sounds the way you wish. Give yourself a pleasant surprise!

TM-4-S

TM-4-S is a basic model, which has an outer keyboard with a LED managing display. You can choose between gold, silver and black colour. It has an internal memory with 50 programmes, where you can save your own adjustments. It makes possible to call up for the desired attitude fast, even during playing. You will be enraptured with uniquely top dynamic and extraordinary reactivity of TOTTER MIDI system. You can play with DYNAMIC OVERLAP[®] of instruments when you are playing life or with automatic accompaniment. TM-4-S is suitable for everyone, who can perhaps miss the sound of the Alpine music but can not miss all other functions.

TM-4-N

More pleasure than the simplest model TM-4-B offers model TM-4-N. It is build on left and right side of accordion. Outside appearance of accordion after building TM-4-N remains unchanged. Strong and modular building of system enable later building on each more efficient models and improvements. The data are transmitted from the accordion over more different MIDI channels, which gives you the opportunity of playing and controlling more different instruments at the same time. The model also offers you to play with automatic accompaniment. With TM-4-N you enjoy playing whole accordion with midi connection.

TM-4-BK

Full control over left side (chords and basses) of accordion offers you model TM-4-BK. You can reach settings with help of display very fast and simple. You can choose between 50 programmes which you can change and save in inner memory in accordion. Full control of all instruments is in your hands. It is recommended in combination with microphone system TM-4-ACOUSTICS. This system makes you reach the sound effect of a trio occupation (accordion, guitar and bass), with it you will surely make an impression on audience. It also offers you to play with automatic accompaniment. It is very suitable for training basses. TM-4-B is the right choice for you if you want to learn new bass figure and increase rhythmicity of playing.

TM-4-B

TM-4-B is the simplest model which enables you to play basses and chords (complete left side) with MIDI connection. It is suitable for everyone who wants to have support of additional instruments on left side of accordion. It is recommended in combination with microphone system TM-4-ACOUSTICS. Outside appearance of accordion after building TM-4-B remains unchanged. Reliable and widespread base enables later building on each more efficient models.

Characteristics and functions

	TM-4-B	TM-4-BK	TM-4-N	TM-4-S	TM-4-LUX
MIDI system MIDI system on the bass side (left side of the accordion)	●	●	●	●	●
MIDI system MIDI system on right side of the accordion			●	●	●
Keyboard with LED display for operation		●		●	●
Contactless perception of keys' and bellow's condition	●	●	●	●	●
On/off for each track separately	●	●	●	●	●
Exclusive toggling of tracks				●	●
Function TOTTER MIDI QUINTET [®]					●
Function TOTTER MIDI GUITARIST [®]	●	●	●	●	●
Dynamics is adjustable for every track separately	●	●	●	●	●
DYNAMIC OVERPLAY [®] of instruments	●	●	●	●	●
Possibility for adjustments and settings of all parameters for each instrument (part specially (volume, intensity, two arbitrary effects, instruments, variations, MIDI channels, transposition,...))	●	●	●	●	●
Function of the solo upper tone					●
Function of the solo lower tone					●
Manual on/off of automatic accompaniment		●		●	●
Additional bass which is adjustable round extent	●	●	●	●	●
Additional drums for basses and chords with adjustable tones	●	●	●	●	●
Choice of the external user's settings (rhythmus, programmes...)		●		●	●
Choice of the internal user's settings (Internal programmes)	● (1)	●	● (1)	●	●
Additional channel for chords- sample channel	●	●	●	●	●
Bellows nullification, function "shut" and function of elimination	●	●	●	●	●
Memory of all adjustable parameters into the internal memory plant		●		●	●
Number of programmes in accordion.	(1)	50	(1)	50	100

● Unique setting at TOTTER MIDI service.

TM-4-ACOUSTIC

Microphone system for accordion

Totter midi d.o.o.

Muljava 6

SI-1234 Mengeš

Slovenia

T +386 1 729 1350

F +386 1 729 1351

info@totter-midi.si

www.totter-midi.si

Characteristics

- Can be build into any accordion
- Independent installation or together with TOTTER MIDI system
- Installed pre-amplifier
- Installed active filter
- High operating stability
- Large dynamic span
- Separate outputs: right side, left side and vocal
- Linear frequency response
- More microphones for constant supply of sound
- Splitter with control of activity

Use

TM-4-ACOUSTIC is professional microphone system for accordion. Microphone is attached on accordion and can be use for singing or speech. It is suitable for live playing or recording. It can be used immediatly.

It offers high expression strength and makes possible to move free during the playing. It is suitable for all kinds of music (entertaining music, Alpine music, classical music, jazz, pop...). Accordion is constantly supplied with special microphones on both, bass and right site (top to bottom). A separate sound supply of right side, left side and vocal (sing, speech) assures you the control and attitude of arbitrary parameters (volume, effects...) is separately for each trace. It is suitable for acoustic playing, as well as in combination with TOTTER MIDI system.

It is recommended to everyone who wants to enjoy playing accordion with less effort.

Connection

Accordion with an inserted microphone system TM-4-ACOUSTIC must be attached directly on speaker system (normal amplifier, mixer, active speaker, radio -HiFi component).

All signals are transmitted on one cable or wireless system from accordion to active splitter. That also stands if, besides microphone system, TOTTER MIDI system is in accordion. Besides exits (sockets) on active splitter are control lights. Control lights show situation of system's activity. Lights shine at sound signal, MIDI signal and charging. Common adapter, which is connected to splitter, is charging electronics in accordion and active splitter.

Installation

- TM-4-ACOUSTIC consists of active microphones, pre-amplifier, splitter, power cable and adapter.
- It can be build into each accordion.
- Independent installation or together with TOTTER MIDI system.
- Possibility of later installation of MIDI system.
- Installation time can be cut down, at preliminary agreement, on 1 day.
- Acoustics and outside appearance of accordion remains unchanged.
- You can choose connection socket's position on your own.

Microphones and active electronics

Quality active microphones with linear frequency characteristic seize the whole frequency spectrum of sound signal. Active microphones are installed in accordion. The number of microphones depends on size of accordion. All tones position (low, middle, high) are evenly supplied with loudspeakers. Hanging attachment of the microphones absorbs distinguished unwanted noise of the cover keys and oscillations, transferred over the accordion.

Audio channels are separated and allow tone's control of each. Each channel (right side, bass and vocal) has installed its own pre-amplifier, which assures excellently steering of speaker system, reduces noise on joints and cables and reduces radio disturbances.

For larger stability of system cares one active filter on each audio channel. Modern electronic components assure reliable and precise effect in all situations and a low energy consumption, which is very important, especially with wireless playing. The vocal microphone can be fastened on the accordion as tie microphone or head microphone. The fastened microphone can be taken away for transport. The position of the microphone can be adjustable by a variable holder "goose neck".

Security

TOTTER MIDI systems suit valid EU guidelines for this kind of electrical devices and suit safety regulation:

Emission	EN 50081-1,	CE
Immunity	EN 50082-1,	
Security	LVD EN 61010-1.	

Technical characteristics

Frequency span:	20 Hz - 20000Hz
Temp. range:	-10°C /+50°C
Max. rel. humidity:	90% @ 40°C
Max. SPL:	> 142 dB
Signal/Noise:	> 60 dB
Standard exit:	+ 5dB

Frequency span

